

FIG. 1

uVTech Systems Inc., PhotoChemical Ablation Model

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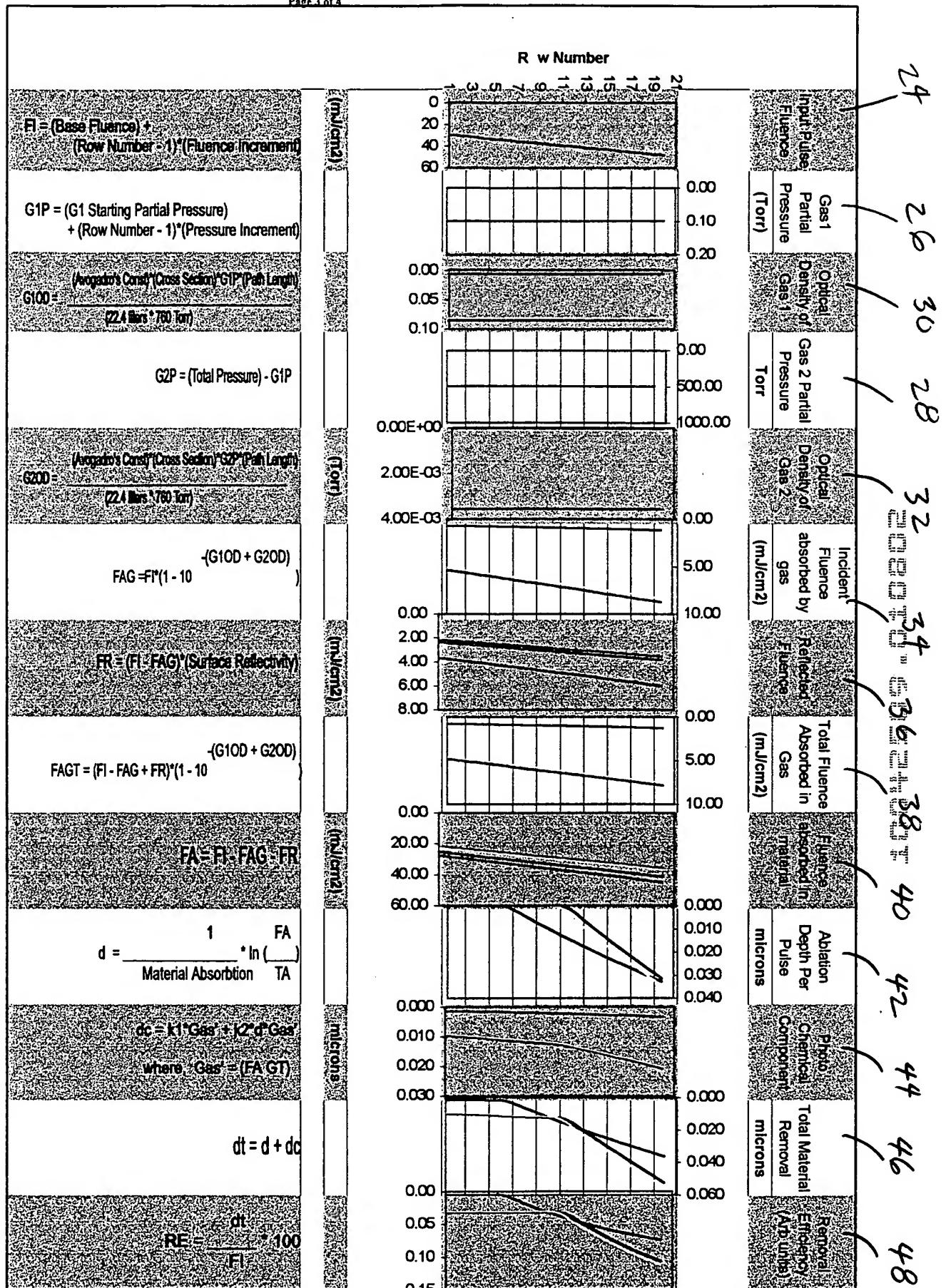


FIG. 3

193 nm		(mJ/cm <sup>2</sup> )	(Torr)	(Torr)	(mJ/cm <sup>2</sup> )	(mJ/cm <sup>2</sup> )	(mJ/cm <sup>2</sup> )	(microns)	Total Material Removal
Row Number	Initial Pulse Rate	Gas 1 Partial Pressure	Gas 2 Partial Pressure	Incident Fluence absorbed by gas	Total Fluence Absorbed in Gas	Ablation Depth Per Pulse		microns	
20	1.00	0.07	499.00	90.78	85.99	0.439		1.367	
19	1.00	0.07	499.00	86.01	81.47	0.434		1.304	
18	1.00	0.07	499.00	81.24	76.95	0.428		1.241	
17	1.00	0.07	499.00	76.47	72.44	0.422		1.178	
16	1.00	0.07	499.00	71.70	67.92	0.416		1.116	
15	1.00	0.07	499.00	66.93	63.40	0.409		1.054	
14	1.00	0.07	499.00	62.16	58.88	0.401		0.992	
13	1.00	0.07	499.00	57.39	54.36	0.393		0.930	
12	1.00	0.07	499.00	52.62	49.85	0.385		0.868	
11	1.00	0.07	499.00	47.85	45.33	0.375		0.806	
10	1.00	0.07	499.00	43.08	40.81	0.365		0.744	
9	1.00	0.07	499.00	38.31	36.29	0.353		0.682	
8	1.00	0.07	499.00	33.55	31.78	0.340		0.619	
7	1.00	0.07	499.00	28.78	27.26	0.324		0.556	
6	1.00	0.07	499.00	24.01	22.74	0.306		0.491	
5	1.00	0.07	499.00	19.24	18.22	0.284		0.424	
4	1.00	0.07	499.00	14.47	13.70	0.256		0.353	
3	1.00	0.07	499.00	9.70	9.19	0.216		0.274	
2	1.00	0.07	499.00	4.93	4.67	0.148		0.171	
1	1.00	0.07	499.00	0.16	0.15	0.000		0.000	

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